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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:23:26 ON 08 SEP 2009

=> fil .bec
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.22       0.22

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
       ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 08:24:00 ON 08 SEP 2009
ALL COPYRIGHTS AND RESTRICTIONS APPLY.  SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s nucle? or intracell? or organell?
FILE 'MEDLINE'
       1010266 NUCLE?
        284589 INTRACELL?
         32749 ORGANELL?
L1     1267920 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'SCISEARCH'
       1121501 NUCLE?
        234662 INTRACELL?
         24736 ORGANELL?
L2     1336827 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'LIFESCI'
        416861 NUCLE?
        105641 INTRACELL?
         11907 ORGANELL?
L3      512616 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'BIOTECHDS'
        100182 NUCLE?
          9740 INTRACELL?
          1063 ORGANELL?
L4      107491 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'BIOSIS'
       1037634 NUCLE?
        288809 INTRACELL?
         39337 ORGANELL?
L5     1313199 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'EMBASE'
       1273731 NUCLE?
        238052 INTRACELL?
         26602 ORGANELL?
L6     1478727 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'HCAPLUS'
       2293158 NUCLE?
        297833 INTRACELL?
        101691 ORGANELL?
L7     2596287 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'NTIS'
        181838 NUCLE?
          2068 INTRACELL?
           283 ORGANELL?
```

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L8      183823 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'ESBIOBASE'
        359290 NUCLE?
        140157 INTRACELL?
         19012 ORGANELL?
L9      492039 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'BIOTECHNO'
        305582 NUCLE?
         64605 INTRACELL?
          6254 ORGANELL?
L10     358211 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'WPIDS'
        237788 NUCLE?
         10400 INTRACELL?
          1463 ORGANELL?
L11     244491 NUCLE? OR INTRACELL? OR ORGANELL?

TOTAL FOR ALL FILES
L12    9891631 NUCLE? OR INTRACELL? OR ORGANELL?


=> s l12(5a)(translocat? or move? or transport?)
FILE 'MEDLINE'
         93676 TRANSLOCAT?
        302341 MOVE?
        394016 TRANSPORT?
L13      36293 L1 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'SCISEARCH'
        103292 TRANSLOCAT?
        281086 MOVE?
        625156 TRANSPORT?
L14      36700 L2 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'LIFESCI'
         37805 TRANSLOCAT?
         75240 MOVE?
        112940 TRANSPORT?
L15      16412 L3 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'BIOTECHDS'
          2329 TRANSLOCAT?
          3178 MOVE?
          9072 TRANSPORT?
L16       1383 L4 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'BIOSIS'
        115462 TRANSLOCAT?
       1377927 MOVE?
       3021287 TRANSPORT?
L17      39486 L5 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'EMBASE'
         78450 TRANSLOCAT?
        198045 MOVE?
        399045 TRANSPORT?
L18      37201 L6 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'HCAPLUS'
```

```
        101628 TRANSLOCAT?
        292401 MOVE?
        962491 TRANSPORT?
L19      79870 L7 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'NTIS'
           991 TRANSLOCAT?
         41770 MOVE?
        150669 TRANSPORT?
L20       1917 L8 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'ESBIOBASE'
         50902 TRANSLOCAT?
         90362 MOVE?
        313047 TRANSPORT?
L21      40482 L9 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'BIOTECHNO'
         31698 TRANSLOCAT?
         14454 MOVE?
         85418 TRANSPORT?
L22      12458 L10(5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'WPIDS'
          2562 TRANSLOCAT?
       1587514 MOVE?
        398701 TRANSPORT?
L23       3570 L11(5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

TOTAL FOR ALL FILES
L24     305772 L12(5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

=> s l24(5a)(detect? or assay? or test? or monitor?)
FILE 'MEDLINE'
       1191505 DETECT?
        656242 ASSAY?
       2119164 TEST?
        438710 MONITOR?
L25        541 L13(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'SCISEARCH'
       1403935 DETECT?
        512209 ASSAY?
       1825541 TEST?
        461698 MONITOR?
L26        508 L14(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'LIFESCI'
        406810 DETECT?
        237737 ASSAY?
        495179 TEST?
        109658 MONITOR?
L27        289 L15(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'BIOTECHDS'
         85102 DETECT?
         39204 ASSAY?
         63032 TEST?
         17642 MONITOR?
L28        128 L16(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'BIOSIS'
```

```
       1288239 DETECT?
        653484 ASSAY?
       1765727 TEST?
        379710 MONITOR?
L29        621 L17(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'EMBASE'
       1081490 DETECT?
        588831 ASSAY?
       1624385 TEST?
        433508 MONITOR?
L30        501 L18(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'HCAPLUS'
       2016549 DETECT?
        658626 ASSAY?
       2293612 TEST?
        490288 MONITOR?
L31       1248 L19(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'NTIS'
        148891 DETECT?
         11526 ASSAY?
        457176 TEST?
        108192 MONITOR?
L32         90 L20(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'ESBIOBASE'
        491311 DETECT?
        260498 ASSAY?
        574140 TEST?
        206748 MONITOR?
L33        424 L21(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'BIOTECHNO'
        290318 DETECT?
        231380 ASSAY?
        236728 TEST?
         51601 MONITOR?
L34        187 L22(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

FILE 'WPIDS'
       1429045 DETECT?
         78157 ASSAY?
        667169 TEST?
        462519 MONITOR?
L35        330 L23(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

TOTAL FOR ALL FILES
L36       4867 L24(5A)(DETECT? OR ASSAY? OR TEST? OR MONITOR?)

=> s split(10a)(luciferase# or gfp or intein# or enzyme#)
FILE 'MEDLINE'
         28374 SPLIT
         25246 LUCIFERASE#
         16679 GFP
           576 INTEIN#
        916789 ENZYME#
L37        355 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'SCISEARCH'
         53121 SPLIT
```

```
         19354 LUCIFERASE#
         18324 GFP
           629 INTEIN#
        611856 ENZYME#
L38        295 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'LIFESCI'
          7865 SPLIT
         10183 LUCIFERASE#
          9995 GFP
           312 INTEIN#
        275213 ENZYME#
L39        174 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'BIOTECHDS'
           920 SPLIT
          4388 LUCIFERASE#
          3045 GFP
           195 INTEIN#
        153154 ENZYME#
L40         89 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'BIOSIS'
         34504 SPLIT
         24844 LUCIFERASE#
         25082 GFP
           592 INTEIN#
       1074607 ENZYME#
L41        609 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'EMBASE'
         24572 SPLIT
         18580 LUCIFERASE#
         13883 GFP
           459 INTEIN#
       1045103 ENZYME#
L42        266 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'HCAPLUS'
         75725 SPLIT
         26309 LUCIFERASE#
         21453 GFP
           913 INTEIN#
       1146985 ENZYME#
L43       1167 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'NTIS'
          5242 SPLIT
           171 LUCIFERASE#
           185 GFP
             5 INTEIN#
         12907 ENZYME#
L44         11 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'ESBIOBASE'
         11292 SPLIT
         13679 LUCIFERASE#
         14224 GFP
           447 INTEIN#
        325725 ENZYME#
L45        172 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)
```

```
FILE 'BIOTECHNO'
          3838 SPLIT
          8370 LUCIFERASE#
          4797 GFP
           203 INTEIN#
        353854 ENZYME#
L46          94 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

FILE 'WPIDS'
         90064 SPLIT
          4295 LUCIFERASE#
          2533 GFP
           169 INTEIN#
        123622 ENZYME#
L47         148 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

TOTAL FOR ALL FILES
L48        3380 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYME#)

=> s l36 and l48
FILE 'MEDLINE'
L49          3 L25 AND L37

FILE 'SCISEARCH'
L50          3 L26 AND L38

FILE 'LIFESCI'
L51          2 L27 AND L39

FILE 'BIOTECHDS'
L52          3 L28 AND L40

FILE 'BIOSIS'
L53          1 L29 AND L41

FILE 'EMBASE'
L54          3 L30 AND L42

FILE 'HCAPLUS'
L55          4 L31 AND L43

FILE 'NTIS'
L56          0 L32 AND L44

FILE 'ESBIOBASE'
L57          1 L33 AND L45

FILE 'BIOTECHNO'
L58          0 L34 AND L46

FILE 'WPIDS'
L59          0 L35 AND L47

TOTAL FOR ALL FILES
L60         20 L36 AND L48

=> s l36 and (luciferase# or intein#)
FILE 'MEDLINE'
         25246 LUCIFERASE#
           576 INTEIN#
L61          29 L25 AND (LUCIFERASE# OR INTEIN#)
```

```
FILE 'SCISEARCH'
         19354 LUCIFERASE#
           629 INTEIN#
L62         27 L26 AND (LUCIFERASE# OR INTEIN#)

FILE 'LIFESCI'
         10183 LUCIFERASE#
           312 INTEIN#
L63         21 L27 AND (LUCIFERASE# OR INTEIN#)

FILE 'BIOTECHDS'
          4388 LUCIFERASE#
           195 INTEIN#
L64           8 L28 AND (LUCIFERASE# OR INTEIN#)

FILE 'BIOSIS'
         24844 LUCIFERASE#
           592 INTEIN#
L65         26 L29 AND (LUCIFERASE# OR INTEIN#)

FILE 'EMBASE'
         18580 LUCIFERASE#
           459 INTEIN#
L66         25 L30 AND (LUCIFERASE# OR INTEIN#)

FILE 'HCAPLUS'
         26309 LUCIFERASE#
           913 INTEIN#
L67         38 L31 AND (LUCIFERASE# OR INTEIN#)

FILE 'NTIS'
           171 LUCIFERASE#
             5 INTEIN#
L68           0 L32 AND (LUCIFERASE# OR INTEIN#)

FILE 'ESBIOBASE'
         13679 LUCIFERASE#
           447 INTEIN#
L69         24 L33 AND (LUCIFERASE# OR INTEIN#)

FILE 'BIOTECHNO'
          8370 LUCIFERASE#
           203 INTEIN#
L70           7 L34 AND (LUCIFERASE# OR INTEIN#)

FILE 'WPIDS'
          4295 LUCIFERASE#
           169 INTEIN#
L71           4 L35 AND (LUCIFERASE# OR INTEIN#)

TOTAL FOR ALL FILES
L72         209 L36 AND (LUCIFERASE# OR INTEIN#)

=> s (l60 or l72) not 2006-2009/py
FILE 'MEDLINE'
       2580053 2006-2009/PY
L73         16 (L49 OR L61) NOT 2006-2009/PY

FILE 'SCISEARCH'
       4815887 2006-2009/PY
                 (20060000-20099999/PY)
L74         16 (L50 OR L62) NOT 2006-2009/PY
```

```
FILE 'LIFESCI'
        770297 2006-2009/PY
L75          10 (L51 OR L63) NOT 2006-2009/PY

FILE 'BIOTECHDS'
         74800 2006-2009/PY
L76           4 (L52 OR L64) NOT 2006-2009/PY

FILE 'BIOSIS'
       2206137 2006-2009/PY
L77          15 (L53 OR L65) NOT 2006-2009/PY

FILE 'EMBASE'
       2148196 2006-2009/PY
L78          15 (L54 OR L66) NOT 2006-2009/PY

FILE 'HCAPLUS'
       5518693 2006-2009/PY
L79          21 (L55 OR L67) NOT 2006-2009/PY

FILE 'NTIS'
         56961 2006-2009/PY
L80           0 (L56 OR L68) NOT 2006-2009/PY

FILE 'ESBIOBASE'
       1286237 2006-2009/PY
L81          13 (L57 OR L69) NOT 2006-2009/PY

FILE 'BIOTECHNO'
              0 2006-2009/PY
L82           7 (L58 OR L70) NOT 2006-2009/PY

FILE 'WPIDS'
       5106884 2006-2009/PY
L83           0 (L59 OR L71) NOT 2006-2009/PY

TOTAL FOR ALL FILES
L84         117 (L60 OR L72) NOT 2006-2009/PY

=> dup rem l84
PROCESSING COMPLETED FOR L84
L85          30 DUP REM L84 (87 DUPLICATES REMOVED)

=> d tot

L85  ANSWER 1 OF 30  HCAPLUS  COPYRIGHT 2009 ACS on STN
TI   Development of high through put detection system for dioxins using yeast
     expressing aryl-hydrocarbon receptor and its nuclear translocator protein
SO   Jpn. Kokai Tokkyo Koho, 12 pp.
     CODEN: JKXXAF
IN   Sugawara, Teruo
AN   2005:1044756  HCAPLUS
DN   143:300635
     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
PI   JP 2005261373         A     20050929    JP 2004-81843           20040322

L85  ANSWER 2 OF 30     MEDLINE on STN                   DUPLICATE 1
TI   {gamma}-Protocadherins, presenilin-mediated release of C-terminal fragment
     promotes locus expression.
SO   The Journal of biological chemistry, (2005 Apr 22) Vol. 280, No. 16, pp.
```

15888-97. Electronic Publication: 2005-02-11.
Journal code: 2985121R. ISSN: 0021-9258.
AU Hambsch Boris; Grinevich Valery; Seeburg Peter H; Schwarz Martin K
AN 2005203127 MEDLINE

L85 ANSWER 3 OF 30 LIFESCI COPYRIGHT 2009 CSA on STN DUPLICATE 2
TI Akt Phosphorylates and Regulates Pdcd4 Tumor Suppressor Protein
SO Cancer Research [Cancer Res.], (20051200) vol. 65, no. 24, pp. 11282-11286.
ISSN: 0008-5472.
AU Palamarchuk, Alexey; Efanov, Alexey; Maximov, Vadim; Aqeilan, Rami I.; Croce, Carlo M.; Pekarsky, Yuri
AN 2007:45942 LIFESCI

L85 ANSWER 4 OF 30 MEDLINE on STN DUPLICATE 3
TI Quantitative determination of protein nuclear transport induced by phosphorylation or by proteolysis.
SO Analytical chemistry, (2005 Nov 1) Vol. 77, No. 21, pp. 6928-34.
Journal code: 0370536. ISSN: 0003-2700.
AU Kim Sung Bae; Takao Ryohei; Ozawa Takeaki; Umezawa Yoshio
AN 2005599818 MEDLINE

L85 ANSWER 5 OF 30 MEDLINE on STN DUPLICATE 4
TI Genetically encoded stress indicator for noninvasively imaging endogenous corticosterone in living mice.
SO Analytical chemistry, (2005 Oct 15) Vol. 77, No. 20, pp. 6588-93.
Journal code: 0370536. ISSN: 0003-2700.
AU Kim Sung Bae; Ozawa Takeaki; Umezawa Yoshio
AN 2005581211 MEDLINE

L85 ANSWER 6 OF 30 MEDLINE on STN DUPLICATE 5
TI Motorcycle exhaust particles induce IL-8 production through NF-kappaB activation in human airway epithelial cells.
SO Journal of toxicology and environmental health. Part A, (2005 Sep) Vol. 68, No. 17-18, pp. 1537-55.
Journal code: 100960995. ISSN: 1528-7394.
AU Lee Chen-Chen; Cheng Yu-Wen; Kang Jaw-Jou
AN 2005413570 MEDLINE

L85 ANSWER 7 OF 30 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI Functional regulation of adenine nucleotide translocase 1, a core component of the mitochondrial permeability transition pore, by the cardioprotective protein PKC epsilon.
SO FASEB Journal, (MAR 4 2005) Vol. 19, No. 4, Suppl. S, Part 1, pp. A690-A691.
Meeting Info.: Experimental Biology 2005 Meeting/35th International Congress of Physiological Sciences. San Diego, CA, USA. March 31 -April 06, 2005. Amer Assoc Anatomists; Amer Assoc Immunologists; Amer Physiol Soc; Amer Soc Biochem & Mol Biol; Amer Soc Investigat Pathol; Amer Soc Nutr Sci; Amer Soc Pharmacol & Expt Therapeut; Int Union Physiol Sci.
CODEN: FAJOEC. ISSN: 0892-6638.
AU Wang, Guang-Wu [Reprint Author]; Zhang, Jun; Vondriska, Thomas M.; Vazquez-Ibar, Jose; Weinglass, Adam; Lu, Ming; Weiss, James N.; Kaback, Ronald; Ping, Peipei
AN 2005:531417 BIOSIS

L85 ANSWER 8 OF 30 MEDLINE on STN DUPLICATE 6
TI Endothelial cell myosin light chain kinase (MLCK) regulates TNFalpha-induced NFkappaB activity.
SO Journal of cellular biochemistry, (2005 Feb 1) Vol. 94, No. 2, pp. 351-64.
Journal code: 8205768. ISSN: 0730-2312.
AU Wadgaonkar Raj; Linz-McGillem Laura; Zaiman Ari L; Garcia Joe G N

AN 2005021219 MEDLINE

L85 ANSWER 9 OF 30 MEDLINE on STN DUPLICATE 7
TI A genetically encoded indicator for assaying bioactive chemicals that induce nuclear transport of glucocorticoid receptor.
SO Analytical biochemistry, (2005 Dec 15) Vol. 347, No. 2, pp. 213-20. Electronic Publication: 2005-09-30. Journal code: 0370535. ISSN: 0003-2697.
AU Kim Sung Bae; Ozawa Takeaki; Umezawa Yoshio
AN 2005628691 MEDLINE

L85 ANSWER 10 OF 30 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
AN 2005310175 ESBIOBASE
TI A genetically encoded indicator for assaying bioactive chemicals that induce nuclear transport of glucocorticoid receptor
AU Kim, Sung Bae; Umezawa, Yoshio; Ozawa, Takeaki
CS Kim, Sung Bae; Umezawa, Yoshio (Department of Chemistry, School of Science, University of Tokyo, 7-3-1 Hongo, Bunkyo-Ku, Tokyo 113-0033 (JP)); Ozawa, Takeaki (Department of Molecular Structure, Institute for Molecular Science, Myodaiji, Okazaki, Aichi 444-8585 (JP)); Ozawa, Takeaki (PREST, Japan Science and Technology Agency, 4-1-8 Honcho Kawaguchi, Saitama 332-0122 (JP))
EMAIL: umezawa@chem.s.u-tokyo.ac.jp
SO Analytical Biochemistry (15 Dec 2005) Volume 347, Number 2, pp. 213-220, 18 refs.
CODEN: ANBCA2 ISSN: 0003-2697 E-ISSN: 1096-0309
DOI: 10.1016/j.ab.2005.09.011
PUI S0003269705006743
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 3 Feb 2009
Last updated on STN: 3 Feb 2009

L85 ANSWER 11 OF 30 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Screening drugs modulating activity of a target active domain by using fusion proteins comprising anchor component and docking domain
SO U.S. Pat. Appl. Publ., 18 pp.
CODEN: USXXCO
IN Murphy, Andrew J.; Shanker, Y. Gopi; Yancopoulos, George D.
AN 2004:372719 HCAPLUS
DN 140:385997

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040086946	A1	20040506	US 2003-463016	20030617
CA 2503787	A1	20040527	CA 2003-2503787	20030617
WO 2004043563	A2	20040527	WO 2003-US18926	20030617
WO 2004043563	A3	20040812		

PI
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003301960	A1	20040603	AU 2003-301960	20030617
EP 1563298	A2	20050817	EP 2003-742008	20030617

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

L85 ANSWER 12 OF 30 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Aryl hydrocarbon receptor (AHR)/AHR nuclear translocator (ARNT) expressing cell lines for reporter gene-based dioxin assay
SO Jpn. Kokai Tokkyo Koho, 21 pp.
CODEN: JKXXAF
IN Ito, Keizo; Kato, Mihoko
AN 2004:389793 HCAPLUS
DN 140:370163

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2004135662	A	20040513	JP 2003-328258	20030919

L85 ANSWER 13 OF 30 MEDLINE on STN DUPLICATE 8
TI Phosphorylation of nuclear localization signal inhibits the ligand-dependent nuclear import of aryl hydrocarbon receptor.
SO Biochemical and biophysical research communications, (2004 Apr 30) Vol. 317, No. 2, pp. 545-50.
Journal code: 0372516. ISSN: 0006-291X.
AU Ikuta Togo; Kobayashi Yasuhito; Kawajiri Kaname
AN 2004168366 MEDLINE

L85 ANSWER 14 OF 30 MEDLINE on STN DUPLICATE 9
TI The role of transcriptional corepressor Nif3l1 in early stage of neural differentiation via cooperation with Trip15/CSN2.
SO The Journal of biological chemistry, (2003 Mar 21) Vol. 278, No. 12, pp. 10752-62. Electronic Publication: 2003-01-08.
Journal code: 2985121R. ISSN: 0021-9258.
AU Akiyama Hirotada; Fujisawa Naoko; Tashiro Yousuke; Takanabe Natsuko; Sugiyama Akinori; Tashiro Fumio
AN 2003125768 MEDLINE

L85 ANSWER 15 OF 30 MEDLINE on STN DUPLICATE 10
TI Double genetic modification of adenovirus fiber with RGD polylysine motifs significantly enhances gene transfer to isolated human pancreatic islets.
SO Transplantation, (2003 Jul 15) Vol. 76, No. 1, pp. 252-61.
Journal code: 0132144. ISSN: 0041-1337.
AU Contreras Juan L; Wu Hongju; Smyth Cheryl A; Eckstein Christopher P; Young Carlton J; Seki Toshiro; Bilbao Guadalupe; Curiel David T; Eckhoff Devin E
AN 2003340319 MEDLINE

L85 ANSWER 16 OF 30 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN
TI Induction of tissue factor expression in the endothelial cells by basic fibroblast gowth factor and its modulation by fenofibric acid.
SO Thrombosis Journal, (11 Oct 2003) Vol. 1.
Refs: 19
ISSN: 1477-9560
AU Kaneto, Takeaki; Fujii, Satoshi (correspondence); Goto, Daisuke; Makita, Naomasa; Kitabatake, Akira; Matsumoto, Akio; Hamada, Junichi; Moriuchi, Tetsuya
AN 2004478417 EMBASE

L85 ANSWER 17 OF 30 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Induction of tissue factor expression in endothelial cells by basic fibroblast growth factor and its modulation by fenofibric acid
SO Thrombosis Journal (2003), 1, No pp. given
CODEN: TJHOAB; ISSN: 1477-9560

URL: http://www.thrombosisjournal.com/content/pdf/1477-9560-1-6.pdf
AU Kaneko, Takeaki; Fujii, Satoshi; Matsumoto, Akio; Goto, Daisuke; Makita, Naomasa; Hamada, Junichi; Moriuchi, Tetsuya; Kitabatake, Akira
AN 2005:342221 HCAPLUS
DN 143:150908

L85 ANSWER 18 OF 30 BIOTECHDS COPYRIGHT 2009 THOMSON REUTERS on STN
TI Screening for agents that promote endocytosis, useful particularly for improving gene therapy, by measuring effect on uptake of compounds by yeast cells;
drug screening by gene expression profiling in transformed yeast
AU LANG C; GESSNER R; NEUKAMM B; PRINZ B; NEVOIGT E
AN 2002-12680 BIOTECHDS
PI WO 2002016935 28 Feb 2002

L85 ANSWER 19 OF 30 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Method for monitoring the inducible nucleocytoplasmic translocation of proteins and the identification of essential sequences and uses of the process and the essential sequences
SO Fr. Demande, 63 pp.
CODEN: FRXXBL
AN 2002:354205 HCAPLUS
DN 136:321040

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI FR 2811681	A1	20020118	FR 2000-9344	20000717

L85 ANSWER 20 OF 30 MEDLINE on STN DUPLICATE 11
TI NADPH-cytochrome P-450 reductase in the plasma membrane modulates the activation of hypoxia-inducible factor 1.
SO The Journal of biological chemistry, (2002 Jun 28) Vol. 277, No. 26, pp. 23367-73. Electronic Publication: 2002-04-23.
Journal code: 2985121R. ISSN: 0021-9258.
AU Osada Mayuko; Imaoka Susumu; Sugimoto Toshikado; Hiroi Toyoko; Funae Yoshihiko
AN 2002337588 MEDLINE

L85 ANSWER 21 OF 30 MEDLINE on STN DUPLICATE 12
TI Induction of plasminogen activator inhibitor-1 in endothelial cells by basic fibroblast growth factor and its modulation by fibric acid.
SO Arteriosclerosis, thrombosis, and vascular biology, (2002 May 1) Vol. 22, No. 5, pp. 855-60.
Journal code: 9505803. E-ISSN: 1524-4636.
AU Kaneko Takeaki; Fujii Satoshi; Matsumoto Akio; Goto Daisuke; Ishimori Naoki; Watano Keiko; Furumoto Tomoo; Sugawara Taeko; Sobel Burton E; Kitabatake Akira
AN 2002266545 MEDLINE

L85 ANSWER 22 OF 30 MEDLINE on STN DUPLICATE 13
TI Activation of nuclear factor-kappaB during doxorubicin-induced apoptosis in endothelial cells and myocytes is pro-apoptotic: the role of hydrogen peroxide.
SO The Biochemical journal, (2002 Nov 1) Vol. 367, No. Pt 3, pp. 729-40.
Journal code: 2984726R. ISSN: 0264-6021.
Report No.: NLM-PMC1222928.
AU Wang Suwei; Kotamraju Srigiridhar; Konorev Eugene; Kalivendi Shasi; Joseph Joy; Kalyanaraman Balaraman
AN 2002634449 MEDLINE

L85 ANSWER 23 OF 30 MEDLINE on STN DUPLICATE 14
TI Effect of NF-kappaB on the induction of PDGF-B transcription by angiotensin II in the ECV304 cell line.

SO Chinese medical journal, (2002 Mar) Vol. 115, No. 3, pp. 433-8.
Journal code: 7513795. ISSN: 0366-6999.
AU Li Hao; Yin Hongcao; Zhang Hua; Cao Xinyi; Wang Zongli; She Mingpeng
AN 2002206579 MEDLINE

L85 ANSWER 24 OF 30 HCAPLUS COPYRIGHT 2009 ACS on STN
TI DNA mismatch-binding enzyme variants and their use in diagnostic, detection and purification methods
SO PCT Int. Appl., 294 pp.
CODEN: PIXXD2
IN Yuan, Chong-Sheng
AN 2001:636259 HCAPLUS
DN 135:206424

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001062968	A2	20010830	WO 2001-US452	20010105
WO 2001062968	A3	20020808		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

L85 ANSWER 25 OF 30 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Constitutively active stat protein mutants and methods for identifying modulators of activity
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
IN Bromberg, Jacqueline F.; Wrzeszczynska, Melissa H.; Zhao, Yanxiang
AN 2001:101307 HCAPLUS
DN 134:159187

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001009326	A1	20010208	WO 2000-US20637	20000731
WO 2001009326	A9	20020718		

W: AU, CA, JP, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

US 6235873	B1	20010522	US 1999-364970	19990731
EP 1206538	A1	20020522	EP 2000-950859	20000731

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY

L85 ANSWER 26 OF 30 MEDLINE on STN DUPLICATE 15
TI Notch1 and amyloid precursor protein are competitive substrates for presenilin1-dependent gamma-secretase cleavage.
SO The Journal of biological chemistry, (2001 Aug 10) Vol. 276, No. 32, pp. 30018-23. Electronic Publication: 2001-06-14.
Journal code: 2985121R. ISSN: 0021-9258.
AU Berezovska O; Jack C; Deng A; Gastineau N; Rebeck G W; Hyman B T
AN 2001441654 MEDLINE

L85 ANSWER 27 OF 30 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
TI The role of reactive oxygen species and nuclear factor kappa B in doxorubicin-induced apoptosis.
SO Free Radical Biology and Medicine, (November, 2001) Vol. 31, No. 10, pp. S107. print.

Meeting Info.: 8th Annual Meeting of the Oxygen Society. Research Triangle Park, North Carolina, USA. November 15-19, 2001. Oxygen Society.
CODEN: FRBMEH. ISSN: 0891-5849.
AU Wang, Suwei [Reprint author]; Konorev, Eugene [Reprint author]; Kalivendi, Shasi [Reprint author]; Kotamraju, Srigiridhar [Reprint author]; Kalyanaraman, B. [Reprint author]
AN 2002:132625 BIOSIS

L85 ANSWER 28 OF 30 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation on STN DUPLICATE 16
TI Genotoxic polycyclic aromatic hydrocarbon ortho-quinones generated by aldo-keto reductases induce CYP1A1 via nuclear translocation of the aryl hydrocarbon receptor
SO CANCER RESEARCH, (15 FEB 2000) Vol. 60, No. 4, pp. 908-915.
ISSN: 0008-5472.
AU Penning T M (Reprint); Burczynski M E
AN 2000:164997 SCISEARCH

L85 ANSWER 29 OF 30 MEDLINE on STN
TI Aspartate mutations in presenilin and gamma-secretase inhibitors both impair notch1 proteolysis and nuclear translocation with relative preservation of notch1 signaling.
SO Journal of neurochemistry, (2000 Aug) Vol. 75, No. 2, pp. 583-93.
Journal code: 2985190R. ISSN: 0022-3042.
AU Berezovska O; Jack C; McLean P; Aster J C; Hicks C; Xia W; Wolfe M S; Kimberly W T; Weinmaster G; Selkoe D J; Hyman B T
AN 2000397293 MEDLINE

L85 ANSWER 30 OF 30 MEDLINE on STN DUPLICATE 17
TI Activation of HIV-1 long terminal repeat transcription and virus replication via NF-kappaB-dependent and -independent pathways by potent phosphotyrosine phosphatase inhibitors, the peroxovanadium compounds.
SO The Journal of biological chemistry, (1997 May 16) Vol. 272, No. 20, pp. 12968-77.
Journal code: 2985121R. ISSN: 0021-9258.
AU Barbeau B; Bernier R; Dumais N; Briand G; Olivier M; Faure R; Posner B I; Tremblay M
AN 1997294698 MEDLINE

=> d ab 4,9,11,13,19

L85 ANSWER 4 OF 30 MEDLINE on STN DUPLICATE 3
AB Nucleocytoplasmic transport of proteins in eukaryotic cells is a fundamental process for gene expression. The transport is regulated by posttranslational modifications of the proteins, such as ligand-binding, phosphorylation, and proteolysis. For monitoring the nuclear transport of proteins induced by a ligand binding, we have recently developed a genetically encoded bioluminescent indicator based on reconstitution of split fragments of Renilla reniformis (RLuc) by protein splicing with DnaE inteins. We herein describe that the technique is used for detecting phosphorylation- or proteolysis-induced nuclear transports of a target protein. Two model proteins, signal transducer and activator of transcription 3 (STAT3) and sterol-regulatory element binding protein-2 (SREBP-2), were exemplified as phosphorylation- and proteolysis-induced nuclear transport, respectively. Each STAT3 or SREBP-2 is connected with C-terminal halves of RLuc and DnaE. If the protein translocates into the nucleus, the C-terminal fragment of RLuc meets the N-terminal fragment of RLuc, and full-length RLuc is reconstituted by protein splicing in the nucleus. The indicator with SREBP-2 enabled us to quantify the intracellular concentrations of

cholesterol. The indicator with STAT3 quantified the extent of the nuclear transport induced by representative cytokines. This simple assay based on protein nuclear transports allows the selection of suitable drugs among candidates and has significant potential for risk assessments, such as carcinogenic chemical screening in vitro and in vivo.

L85 ANSWER 9 OF 30 MEDLINE on STN DUPLICATE 7

AB Glucocorticoids, the adrenal steroid hormones secreted during stress, are essential to homeostasis and metabolism in the human body. An impaired glucocorticoid signaling due to dysfunction of the glucocorticoid receptor (GR) by synthetic chemicals can cause diseases and disruptions of the homeostasis and metabolism. Here we demonstrate the development of a method for screening endocrine-disrupting chemicals and potent risk factors of human diseases based on the nuclear trafficking of the GR. We constructed a new assay using a pair of genetic indicators with the full length of the GR, split Renilla luciferase (RLuc), and split DnaE (a protein splicing element). The GR-containing fusion protein with C-terminal halves of DnaE and RLuc is localized in cytosol due to the cytosolic character of the GR, whereas the fusion protein with N-terminal halves of DnaE and RLuc stays in the nucleus due to the cofused nucleus localization signal. On being stimulated with a ligand, the GR is translocated into the cellular nucleus. Thus, a protein splicing occurs in the nucleus by an interaction between the splicing junctions of each DnaE fragment. The enzymatic activities from the reconstituted RLuc allow the ligand-dependent luminescence intensities. The feasibility of the method was evaluated by quantifying the hormonal activities of 20 different kinds of steroids and synthetic chemicals using the NIH 3T3 cells carrying the pair of indicators. The hormonal activities of tested ligands are discussed based on the chemical structure-activity relationship. We found that androgens, testosterone, and 19-nortestosterone weakly induce the nuclear transport of the GR. The current assay allows high-throughput screening of risk chemicals and drug candidates influential to a signal transduction pathway of the GR.

L85 ANSWER 11 OF 30 HCAPLUS COPYRIGHT 2009 ACS on STN

AB Methods for identifying a compound capable of modulating activity of a target active domain, by generating a first fusion protein having an anchor component and a variable component, generating a second fusion protein having a docking domain and an active domain, wherein the anchor component and the docking domain are binding partners, then contacting the fusion proteins under conditions in which the anchor component and the docking domain bind, and determining the activity of the target domain. α-MSH is a 13-amino acid agonist for melanocortin receptor 4 (MC4 or MC4R). HFRW is a four amino acid (His Phe Arg Trp) peptide that is present within α-MSH as well as other melanocortin agonists. A fusion protein gene was constructed between the extracellular domain (amino acid residues 1-292) of a human Fc receptor and the human MC4 receptor. Expts. demonstrated that the FcR-MC4R fusion protein, expressed in HEK293 cells, responded to MSH in a manner identical to the native MC4R. Both the MSH-MC4R fusion protein and the HFRW-MC4R fusion protein show a significantly higher level of CRE-luciferase activity than the MC4 receptor on its own, and the HFRW-MC4R fusion showed as high or higher a level of activation as the α-MSH-MC4R fusion. A library in which five random amino acids were fused to the amino terminus of MC4R was constructed by PCR. A fusion protein was constructed between a single chain antibody against fluorescein and the human P2Y6 receptor. Two fusion proteins are constructed: the first with MC4R as an active domain, and the orphan receptor ROR2 as the docking domain, and a second fusion protein with potential ROR2 ligands as test anchor components and HFRW as the active component. Two sets of fusion proteins were constructed as follows: a set of target first fusion proteins with MC4R as an active

domain and either one of four glycoprotein hormone subunits as the docking domain (alpha1, alpha2, hCG, and OGH); a set of second compound fusion proteins with each of the four glycoprotein hormone subunits as an anchor component and HFRW as the active component.

L85 ANSWER 13 OF 30 MEDLINE on STN DUPLICATE 8
AB The aryl hydrocarbon receptor (AhR) is a ligand-activated transcription factor which plays a role as an intracellular mediator of the xenobiotic signaling pathway. We previously identified the minimum nuclear localization signal (NLS) of AhR(13-39): it is composed of two basic amino acid segments, AhR(13-16:RKRR) and AhR(37-39:KRH). In this study, we showed that the two protein kinase C (PKC) sites of Ser-12 and Ser-36 are located one amino acid upstream from each of the two segments, and that a ligand-dependent nuclear import of AhR is inhibited by substitution of aspartic acid for Ser-12 (S12D) or Ser-36 (S36D), which mimics the negative charge of phosphorylation. This observation was supported by microinjection analysis, an in vitro nuclear transport assay, and a luciferase reporter assay, suggesting a two-step mechanism in the ligand-dependent nuclear translocation of AhR.

L85 ANSWER 19 OF 30 HCAPLUS COPYRIGHT 2009 ACS on STN
AB A reporter gene system that can be used to monitor inducible nucleocytoplasmic transport is described. The method can be used to identify proteins involved in regulating the process, essential domains for regulation of the transport, and to develop biosensors. The methods use the YAP1 or YAP5 proteins of Saccharomyces cerevisiae that are involved in the oxidative stress response and that showed stress-induced transport from the cytoplasm to the nucleus. The proteins are fused to the lexA protein. The fusion protein can drive expression of a reporter carrying the lexA upstream activating sequence. Similarly, a method of using lexA-GAL4 fusion proteins to identify nuclear localization and nuclear export signals is described.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	117.57	117.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.64	-1.64

STN INTERNATIONAL LOGOFF AT 08:43:01 ON 08 SEP 2009

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:49:10 ON 08 SEP 2009

=> fil .bec

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 08:49:29 ON 08 SEP 2009

11 FILES IN THE FILE LIST

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=> s nucle? or intracell? or organell?
FILE 'MEDLINE'
       1010266 NUCLE?
        284589 INTRACELL?
         32749 ORGANELL?
L1      1267920 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'SCISEARCH'
       1121501 NUCLE?
        234662 INTRACELL?
         24736 ORGANELL?
L2      1336827 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'LIFESCI'
        416861 NUCLE?
        105641 INTRACELL?
         11907 ORGANELL?
L3       512616 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'BIOTECHDS'
        100182 NUCLE?
          9740 INTRACELL?
          1063 ORGANELL?
L4       107491 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'BIOSIS'
       1037634 NUCLE?
        288809 INTRACELL?
         39337 ORGANELL?
L5      1313199 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'EMBASE'
       1273731 NUCLE?
        238052 INTRACELL?
         26602 ORGANELL?
L6      1478727 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'HCAPLUS'
       2293158 NUCLE?
        297833 INTRACELL?
        101691 ORGANELL?
L7      2596287 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'NTIS'
        181838 NUCLE?
          2068 INTRACELL?
           283 ORGANELL?
L8       183823 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'ESBIOBASE'
        359290 NUCLE?
        140157 INTRACELL?
         19012 ORGANELL?
L9       492039 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'BIOTECHNO'
        305582 NUCLE?
         64605 INTRACELL?
          6254 ORGANELL?
L10      358211 NUCLE? OR INTRACELL? OR ORGANELL?

FILE 'WPIDS'
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        237788 NUCLE?
         10400 INTRACELL?
          1463 ORGANELL?
L11     244491 NUCLE? OR INTRACELL? OR ORGANELL?

TOTAL FOR ALL FILES
L12    9891631 NUCLE? OR INTRACELL? OR ORGANELL?

=> s l12(5a)(translocat? or move? or transport?)
FILE 'MEDLINE'
         93676 TRANSLOCAT?
        302341 MOVE?
        394016 TRANSPORT?
L13      36293 L1 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'SCISEARCH'
        103292 TRANSLOCAT?
        281086 MOVE?
        625156 TRANSPORT?
L14      36700 L2 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'LIFESCI'
         37805 TRANSLOCAT?
         75240 MOVE?
        112940 TRANSPORT?
L15      16412 L3 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'BIOTECHDS'
          2329 TRANSLOCAT?
          3178 MOVE?
          9072 TRANSPORT?
L16       1383 L4 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'BIOSIS'
        115462 TRANSLOCAT?
       1377927 MOVE?
       3021287 TRANSPORT?
L17      39486 L5 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'EMBASE'
         78450 TRANSLOCAT?
        198045 MOVE?
        399045 TRANSPORT?
L18      37201 L6 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'HCAPLUS'
        101628 TRANSLOCAT?
        292401 MOVE?
        962491 TRANSPORT?
L19      79870 L7 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'NTIS'
           991 TRANSLOCAT?
         41770 MOVE?
        150669 TRANSPORT?
L20       1917 L8 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

FILE 'ESBIOBASE'
         50902 TRANSLOCAT?
         90362 MOVE?
        313047 TRANSPORT?
L21      40482 L9 (5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)
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FILE 'BIOTECHNO'
         31698 TRANSLOCAT?
         14454 MOVE?
         85418 TRANSPORT?
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FILE 'WPIDS'
          2562 TRANSLOCAT?
       1587514 MOVE?
        398701 TRANSPORT?
L23       3570 L11(5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

TOTAL FOR ALL FILES
L24     305772 L12(5A)(TRANSLOCAT? OR MOVE? OR TRANSPORT?)

=> s split(10a)(luciferase# or gfp or intein# or enzym?)
FILE 'MEDLINE'
         28374 SPLIT
         25246 LUCIFERASE#
         16679 GFP
           576 INTEIN#
       1344857 ENZYM?
L25         396 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'SCISEARCH'
         53121 SPLIT
         19354 LUCIFERASE#
         18324 GFP
           629 INTEIN#
        690621 ENZYM?
L26         318 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'LIFESCI'
          7865 SPLIT
         10183 LUCIFERASE#
          9995 GFP
           312 INTEIN#
        305376 ENZYM?
L27         186 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'BIOTECHDS'
           920 SPLIT
          4388 LUCIFERASE#
          3045 GFP
           195 INTEIN#
        157712 ENZYM?
L28          96 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'BIOSIS'
         34504 SPLIT
         24844 LUCIFERASE#
         25082 GFP
           592 INTEIN#
       2211979 ENZYM?
L29         689 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'EMBASE'
         24572 SPLIT
         18580 LUCIFERASE#
         13883 GFP
           459 INTEIN#
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       1087385 ENZYM?
L30        301 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'HCAPLUS'
         75725 SPLIT
         26309 LUCIFERASE#
         21453 GFP
           913 INTEIN#
       1294048 ENZYM?
L31       1328 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'NTIS'
          5242 SPLIT
           171 LUCIFERASE#
           185 GFP
             5 INTEIN#
         13736 ENZYM?
L32          12 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'ESBIOBASE'
         11292 SPLIT
         13679 LUCIFERASE#
         14224 GFP
           447 INTEIN#
        363413 ENZYM?
L33         180 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'BIOTECHNO'
          3838 SPLIT
          8370 LUCIFERASE#
          4797 GFP
           203 INTEIN#
        366038 ENZYM?
L34         106 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

FILE 'WPIDS'
         90064 SPLIT
          4295 LUCIFERASE#
          2533 GFP
           169 INTEIN#
        134940 ENZYM?
L35         169 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

TOTAL FOR ALL FILES
L36        3781 SPLIT(10A)(LUCIFERASE# OR GFP OR INTEIN# OR ENZYM?)

=> s l24 and l36
FILE 'MEDLINE'
L37           7 L13 AND L25

FILE 'SCISEARCH'
L38          14 L14 AND L26

FILE 'LIFESCI'
L39           5 L15 AND L27

FILE 'BIOTECHDS'
L40           4 L16 AND L28

FILE 'BIOSIS'
L41           3 L17 AND L29
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FILE 'EMBASE'
L42          8 L18 AND L30

FILE 'HCAPLUS'
L43         18 L19 AND L31

FILE 'NTIS'
L44          0 L20 AND L32

FILE 'ESBIOBASE'
L45          3 L21 AND L33

FILE 'BIOTECHNO'
L46          2 L22 AND L34

FILE 'WPIDS'
L47          0 L23 AND L35

TOTAL FOR ALL FILES
L48         64 L24 AND L36

=> s l48 not 2006-2009/py
FILE 'MEDLINE'
       2580053 2006-2009/PY
L49          5 L37 NOT 2006-2009/PY

FILE 'SCISEARCH'
       4815887 2006-2009/PY
                 (20060000-20099999/PY)
L50          5 L38 NOT 2006-2009/PY

FILE 'LIFESCI'
        770297 2006-2009/PY
L51          5 L39 NOT 2006-2009/PY

FILE 'BIOTECHDS'
         74800 2006-2009/PY
L52          4 L40 NOT 2006-2009/PY

FILE 'BIOSIS'
       2206137 2006-2009/PY
L53          2 L41 NOT 2006-2009/PY

FILE 'EMBASE'
       2148196 2006-2009/PY
L54          6 L42 NOT 2006-2009/PY

FILE 'HCAPLUS'
       5518693 2006-2009/PY
L55          8 L43 NOT 2006-2009/PY

FILE 'NTIS'
         56961 2006-2009/PY
L56          0 L44 NOT 2006-2009/PY

FILE 'ESBIOBASE'
       1286237 2006-2009/PY
L57          2 L45 NOT 2006-2009/PY

FILE 'BIOTECHNO'
             0 2006-2009/PY
L58          2 L46 NOT 2006-2009/PY
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FILE 'WPIDS'
       5106884 2006-2009/PY
L59          0 L47 NOT 2006-2009/PY

TOTAL FOR ALL FILES
L60         39 L48 NOT 2006-2009/PY

=> dup rem l60
PROCESSING COMPLETED FOR L60
L61          11 DUP REM L60 (28 DUPLICATES REMOVED)

=> d tot

L61  ANSWER 1 OF 11     MEDLINE on STN                  DUPLICATE 1
TI   Quantitative determination of protein nuclear transport
     induced by phosphorylation or by proteolysis.
SO   Analytical chemistry, (2005 Nov 1) Vol. 77, No. 21, pp. 6928-34.
     Journal code: 0370536. ISSN: 0003-2700.
AU   Kim Sung Bae; Takao Ryohei; Ozawa Takeaki; Umezawa Yoshio
AN   2005599818     MEDLINE

L61  ANSWER 2 OF 11     MEDLINE on STN                  DUPLICATE 2
TI   Genetically encoded stress indicator for noninvasively imaging endogenous
     corticosterone in living mice.
SO   Analytical chemistry, (2005 Oct 15) Vol. 77, No. 20, pp. 6588-93.
     Journal code: 0370536. ISSN: 0003-2700.
AU   Kim Sung Bae; Ozawa Takeaki; Umezawa Yoshio
AN   2005581211     MEDLINE

L61  ANSWER 3 OF 11  SCISEARCH  COPYRIGHT (c) 2009 The Thomson Corporation  on
     STN                                             DUPLICATE 3
TI   Methods of analysis for protein dynamics in living cells based on protein
     splicing
SO   BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, (15 MAY 2005) Vol. 78, No. 5,
     pp. 739-751.
     ISSN: 0009-2673.
AU   Ozawa T (Reprint); Ozawa T (Reprint)
AN   2005:584360  SCISEARCH

L61  ANSWER 4 OF 11     MEDLINE on STN                  DUPLICATE 4
TI   A genetically encoded indicator for assaying bioactive chemicals that
     induce nuclear transport of glucocorticoid receptor.
SO   Analytical biochemistry, (2005 Dec 15) Vol. 347, No. 2, pp. 213-20.
     Electronic Publication: 2005-09-30.
     Journal code: 0370535. ISSN: 0003-2697.
AU   Kim Sung Bae; Ozawa Takeaki; Umezawa Yoshio
AN   2005628691     MEDLINE

L61    ANSWER 5 OF 11 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on
       STN
AN     2005310175   ESBIOBASE
TI     A genetically encoded indicator for assaying bioactive chemicals that
       induce nuclear transport of glucocorticoid receptor
AU     Kim, Sung Bae; Umezawa, Yoshio; Ozawa, Takeaki
CS     Kim, Sung Bae; Umezawa, Yoshio (Department of Chemistry, School of
       Science, University of Tokyo, 7-3-1 Hongo, Bunkyo-Ku, Tokyo 113-0033
       (JP)); Ozawa, Takeaki (Department of Molecular Structure, Institute for
       Molecular Science, Myodaiji, Okazaki, Aichi 444-8585 (JP)); Ozawa,
       Takeaki (PREST, Japan Science and Technology Agency, 4-1-8 Honcho
       Kawaguchi, Saitama 332-0122 (JP))
       EMAIL: umezawa@chem.s.u-tokyo.ac.jp
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DOI: 10.1016/j.ab.2005.09.011
PUI S0003269705006743
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 3 Feb 2009
Last updated on STN: 3 Feb 2009

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L61 ANSWER 7 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
AB Unavailable

L61 ANSWER 8 OF 11 MEDLINE on STN DUPLICATE 6
AB Cajal bodies (CBs) are subnuclear organelles that contain components of a number of distinct pathways in RNA transcription and RNA processing. CBs have been linked to other subnuclear organelles such as nucleoli, but the reason for the presence of nucleolar proteins such as fibrillarin in CBs remains uncertain. Here, we use full-length fibrillarin and truncated fibrillarin mutants fused to green fluorescent protein (GFP) to demonstrate that specific structural domains of fibrillarin are required for correct intranuclear localization of fibrillarin to nucleoli and CBs. The second spacer domain and carboxy terminal alpha-helix domain in particular appear to target fibrillarin, respectively, to the nucleolar transcription centers and CBs. The presence of the RNP domain seems to be a prerequisite for correct targeting of fibrillarin. Time-lapse confocal microscopy of human cells that stably express fibrillarin-GFP shows that CBs fuse and split, albeit at low frequencies. Recovered fluorescence of fibrillarin-GFP in nucleoli and CBs after photobleaching indicates that it is highly mobile in both organelles (estimated diffusion constant approximately 0.02 microm(2) s(-1)), and has a significantly larger mobile fraction in CBs than in nucleoli.

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AB Efficiency of transfection is probably dependent on the rate of intracellular degradation of plasmid DNA. When a non-viral vector is used, it is not known to what extent the plasmid DNA catabolism is subordinated to the catabolism of the vector. In the work reported here, the problem was approached by following the intracellular fate in rat liver, of plasmid [(35)S]DNA complexed with a cationic peptide poly-L-lysine that can be hydrolyzed by cellular peptidases or with its stereoisomer, poly-D-lysine, that cannot be split by these enzymes. Complexes of DNA with poly-L-lysine and poly-D-lysine are taken up to the same extent by the liver, mainly by Kupffer cells, but

the intracellular degradation of nucleic acid molecules is markedly quicker when poly-L-lysine is injected. The association of DNA with the polycations inhibits DNA hydrolysis in vitro by purified lysosomes but similarly for poly-L-lysine and poly-D-lysine. The intracellular journey followed by [(35)S]DNA complexed with poly-L- or poly-D-lysine was investigated using differential and isopycnic centrifugation. Results indicate that [(35)S]DNA is transferred more slowly to lysosomes, the main site of intracellular degradation of endocytosed macromolecules, when it is given as a complex with poly-D-lysine than with poly-L-lysine. They suggest that the digestion of the vector in a prelysosomal compartment is required to allow endocytosed plasmid DNA to rapidly reach lysosomes. Such a phenomenon could explain why injected plasmid DNA is more stable in vivo when it is associated with poly-D-lysine.

L61 ANSWER 10 OF 11 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
AB We have studied the capacity of human neutrophils to release arachidonic acid from diacylglycerol, employing 1-stearoyl-2-¢1-.sup.1.sup.4C!arachidonoyl-sn-glycerol and 1-¢1-.sup.1.sup.4C!stearoyl-2-arachidonoyl-sn-glycerol as exogenous substrates. We have found that arachidonic acid is removed from diacylglycerol by the sequential action of two enzymes. First, the sn-1 position is split by 1-diacylglycerol lipase activity, and then, arachidonic acid is released from the resulting 2-monoacylglycerol by a 2-monoacylglycerol lipase. The specific activity of the 2-monoacylglycerol lipase, using 2-¢1-.sup.1.sup.4C! arachidonoyl-sn-glycerol as exogenous substrate, was at least 9-fold higher than that of 1-diacylglycerol lipase, indicating that the action of the 1-diacylglycerol lipase is the rate-limiting step in arachidonic acid release from diacylglycerol. Postnuclear supernatants from A23187-treated cells showed a 2.5-fold increase in both lipase activities. The arachidonic acid-releasing diacylglycerol lipase system showed an optimum pH of 4.5 and was not inhibited by EGTA or stimulated by Ca.sup.2.sup.+, Mg.sup.2.sup.+, Mn.sup.2.sup.+, Zn.sup.2.sup.+, or Co.sup.2.sup.+. However, arachidonic acid release was inhibited by Hg.sup.2.sup.+, suggesting the involvement of sulfhydryl groups in catalytic activity. The subcellular distribution of both 1-diacylglycerol lipase and 2-monoacylglycerol lipase activities was examined in resting and A23187-treated human neutrophils by fractionation of postnuclear supernatants on continuous sucrose gradients. Both lipases were localized mainly in the membrane of gelatinase-containing granules, which were resolved from cytosol, plasma membrane, phosphasomes, and specific and azurophilic granules. When neutrophils were stimulated by the calcium ionophore A23187, a drastic shift of the 1-diacylglycerol lipase and 2-monoacylglycerol lipase toward the plasma membrane was detected. This shift was due to fusion of gelatinase-containing granules with the plasma membrane upon neutrophil stimulation. As a result of the membrane fusion process, the capacity to release arachidonic acid from diacylglycerol was increased. This translocation from the membrane of gelatinase-containing granules to the plasma membrane may play an important role in regulating the diacylglycerol level in stimulated human neutrophils.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	68.39	68.61

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